

## EAST Search History

| Ref # | Hits  | Search Query  | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|-------|---|-----------------|------------------|---------|------------------|
| L1    | 14622 | (scan\$4 or read\$3 or captur\$4 or detect\$4)same(edg\$4 or contour\$4 or boundary\$4)same(width\$3 or distanc\$5 or siz\$4)same(scal\$4 or enlarg\$6 or reduc\$4 or expand\$4 or shrink\$3) | US-PGPUB; USPAT | OR               | ON      | 2006/03/15 08:37 |
| L2    | 2634  | L1 same(resolution\$3 or nois\$6 or distort\$4 or artifact\$4 or error\$3)  | US-PGPUB; USPAT | OR               | ON      | 2006/03/15 08:37 |
| L3    | 1006  | L2 same(adjust\$6 or correct\$5 or filter\$3 or enhanc\$6)  | US-PGPUB; USPAT | OR               | ON      | 2006/03/15 08:37 |
| L4    | 18    | L3 same(auto\$6 near10(scan\$4 or read\$3 or captur\$4 or detect\$4))   | US-PGPUB; USPAT | OR               | ON      | 2006/03/15 08:37 |
| L5    | 18684 | (scan\$4 or read\$3 or captur\$4 or detect\$4)same(edg\$4 or contour\$4 or boundary\$4)same(width\$3 or distanc\$5 or siz\$4)same(measur\$6 or calculat\$4 or measur\$6 or compos\$6)         | US-PGPUB; USPAT | OR               | ON      | 2006/03/15 09:02 |
| L6    | 3168  | L5 same(resolution\$3 or nois\$6 or distort\$4 or artifact\$4 or error\$3)  | US-PGPUB; USPAT | OR               | ON      | 2006/03/15 09:02 |
| L7    | 81    | L6 same(resolution\$3 near10(adjust\$6 or correct\$5 or filter\$3 or enhanc\$6))  | US-PGPUB; USPAT | OR               | ON      | 2006/03/15 09:03 |
| L8    | 81    | L6 same(resolution\$3 near10(adjust\$6 or correct\$5 or filter\$3 or enhanc\$6))  | US-PGPUB; USPAT | OR               | ON      | 2006/03/15 09:03 |
| S1    | 18684 | (scan\$4 or read\$3 or captur\$4 or detect\$4)same(edg\$4 or contour\$4 or boundary\$4)same(width\$3 or distanc\$5 or siz\$4)same(measur\$6 or calculat\$4 or measur\$6 or compos\$6)         | US-PGPUB; USPAT | OR               | ON      | 2006/03/14 17:32 |
| S3    | 3168  | S1 same(resolution\$3 or nois\$6 or distort\$4 or artifact\$4 or error\$3)  | US-PGPUB; USPAT | OR               | ON      | 2006/03/14 17:30 |
| S4    | 1116  | S3 same(adjust\$6 or correct\$5 or filter\$3 or enhanc\$6)  | US-PGPUB; USPAT | OR               | ON      | 2006/03/14 17:31 |
| S5    | 317   | S4 same(scal\$4 or enlarg\$6 or reduc\$4 or expand\$4 or shrink\$3)   | US-PGPUB; USPAT | OR               | ON      | 2006/03/14 17:26 |
| S6    | 81    | S3 same(resolution\$3 near10(adjust\$6 or correct\$5 or filter\$3 or enhanc\$6))  | US-PGPUB; USPAT | OR               | ON      | 2006/03/15 09:02 |

## EAST Search History

|     |       |   |                    |    |    |                  |
|-----|-------|---|--------------------|----|----|------------------|
| S7  | 14622 | (scan\$4 or read\$3 or captur\$4 or detect\$4)same(edg\$4 or contour\$4 or boundary\$4)same(width\$3 or distanc\$5 or siz\$4)same(scal\$4 or enlarg\$6 or reduc\$4 or expand\$4 or shrink\$3) | US-PGPUB;<br>USPAT | OR | ON | 2006/03/14 17:30 |
| S8  | 2634  | S7 same(resolution\$3 or nois\$6 or distort\$4 or artifact\$4 or error\$3)  | US-PGPUB;<br>USPAT | OR | ON | 2006/03/14 17:30 |
| S9  | 1006  | S8 same(adjust\$6 or correct\$5 or filter\$3 or enhanc\$6)  | US-PGPUB;<br>USPAT | OR | ON | 2006/03/14 17:31 |
| S10 | 98    | S9 same(resolution\$3 near10(adjust\$6 or correct\$5 or filter\$3 or enhanc\$6))  | US-PGPUB;<br>USPAT | OR | ON | 2006/03/14 17:31 |
| S11 | 18    | S9 same(auto\$6 near10(scan\$4 or read\$3 or captur\$4 or detect\$4))   | US-PGPUB;<br>USPAT | OR | ON | 2006/03/15 08:37 |


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**Key:** IEEE JNL = IEEE Journal or Magazine, IEEE JNL = IEEE Journal or Magazine, IEEE CNF = IEEE Conference, IEEE CNF = IEEE Conference, IEEE STD = IEEE Standard

1. **Character detection based on multi-scale measurement**  
Hontani, H.; Shimotsuji, S.;  
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Volume 2, 14-16 Aug. 1995 Page(s):644 - 647 vol.2  
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2. **Multi-ring color fiducial systems for scalable fiducial tracking augmented reality**  
Youngkwan Cho; Neumann, U.;  
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3. **Virtual endoscopic visualization of the colon by shape-scale signatures**  
Nappi, J.; Frimmel, H.; Yoshida, H.;  
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4. **Multi-scale image analysis for detection of characteristic component figure shapes and sizes**  
Hontani, H.; Deguchi, K.;  
Pattern Recognition, 1998. Proceedings. Fourteenth International Conference on  
Volume 2, 16-20 Aug. 1998 Page(s):1470 - 1472 vol.2  
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5. **3D shape modelling using a multi-scale surface model**  
Xinquan Shen; Spann, M.;  
Image Processing, 1997. Proceedings., International Conference on  
Volume 2, 26-29 Oct. 1997 Page(s):478 - 481 vol.2  
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6. **Reduced-complexity sequence detection approaches for PR-shaped, coded linear modulations**  
Rizos, A.D.; Proakis, J.G.;  
Global Telecommunications Conference, 1997. GLOBECOM '97., IEEE  
Volume 1, 3-8 Nov. 1997 Page(s):342 - 346 vol.1  
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7. **Reduction of noise amplification in SPECT using smaller detector bin size**  
DoSik Hwang; Zeng, G.L.;  
Nuclear Science, IEEE Transactions on  
Volume 52, Issue 5, Oct. 2005 Page(s):1417 - 1427  
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8. **Corrections for the effects of accidental coincidences, Compton scatter, and object size in positron emission mammography (PEM) imaging**  
Rayman, R.R.; Majewski, S.; Wojcik, R.; Weisenberger, A.G.; Kross, B.; Popov, V.;  
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9. **Scale-invariant shape features for recognition of object categories**  
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Computer Vision and Pattern Recognition, 2004. CVPR 2004. Proceedings of the 2004 IEEE Computer Society Conference on  
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10. **Optimal flat-panel detector pixel size for visualization of stents in X-ray fluoroscopy**  
Yuhao Jiang; Srinivas, Y.; Wilson, D.L.;  
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11. **Scale-adaptive landmark detection, classification and size estimation in 3D object-background images**  
de Vries, G.; Verbeek, P.W.;  
Pattern Recognition, 2000. Proceedings. 15th International Conference on  
Volume 3, 3-7 Sept. 2000 Page(s):1014 - 1017 vol.3  
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12. **A positioning method for hard disk servowriter using an auto focus laser encoder**  
Weidong Zhou; Lilong Cai;  
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13. **Steerable filters for multirate shape extraction**  
Bharath, A.A.;  
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14. **An Approach to Minimize Build Errors in Direct Metal Laser Sintering**  
Ning, Y.; Wong, Y.S.; Fuh, J.Y.H.; Loh, H.T.;  
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15. **Scale-modelling the read process for a film head**  
Monson, J.; Olson, D.; Valstyn, E.;  
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16. **Precision and accuracy of regional radioactivity quantitation using the maximum likelihood EM reconstruction algorithm**  
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17. **A positron emission tomograph designed for 3/4 mm resolution**  
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Volume 42, Issue 4, Aug 1995 Page(s):1102 - 1106  
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18. **Compton scatter and X-ray crosstalk and the use of very thin intercrystal septa in high-resolution PET detectors**  
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19. **Design and performance of a micro-sized biomorphic compound eye with a scanning retina**  
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20. **Recording performance and tribological evaluation of FIB defined tape recording heads**  
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21. **Side-reading free spin-valve read sensor**  
 Jian-Gang Zhu;  
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22. **Reduction of noise amplification in SPECT using smaller detector bin size**  
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23. **Modified luminance based MSR for fast and efficient image enhancement**  
 Li Tao; Asari, V.;  
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 15-17 Oct. 2003 Page(s):174 - 179  
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24. **Design of a mobile robot system for automatic integrity evaluation of large size reservoirs and pipelines in industrial fields**  
 Sangdeok Park; Hee Don Jeong; Zhong Soo Lim;  
 Intelligent Robots and Systems, 2003. (IROS 2003). Proceedings. 2003 IEEE/RSJ International Conference on  
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25. **A novel approach for texture shape recovery**  
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